

DSI12 – Project 1

SAT after Redesign

Background

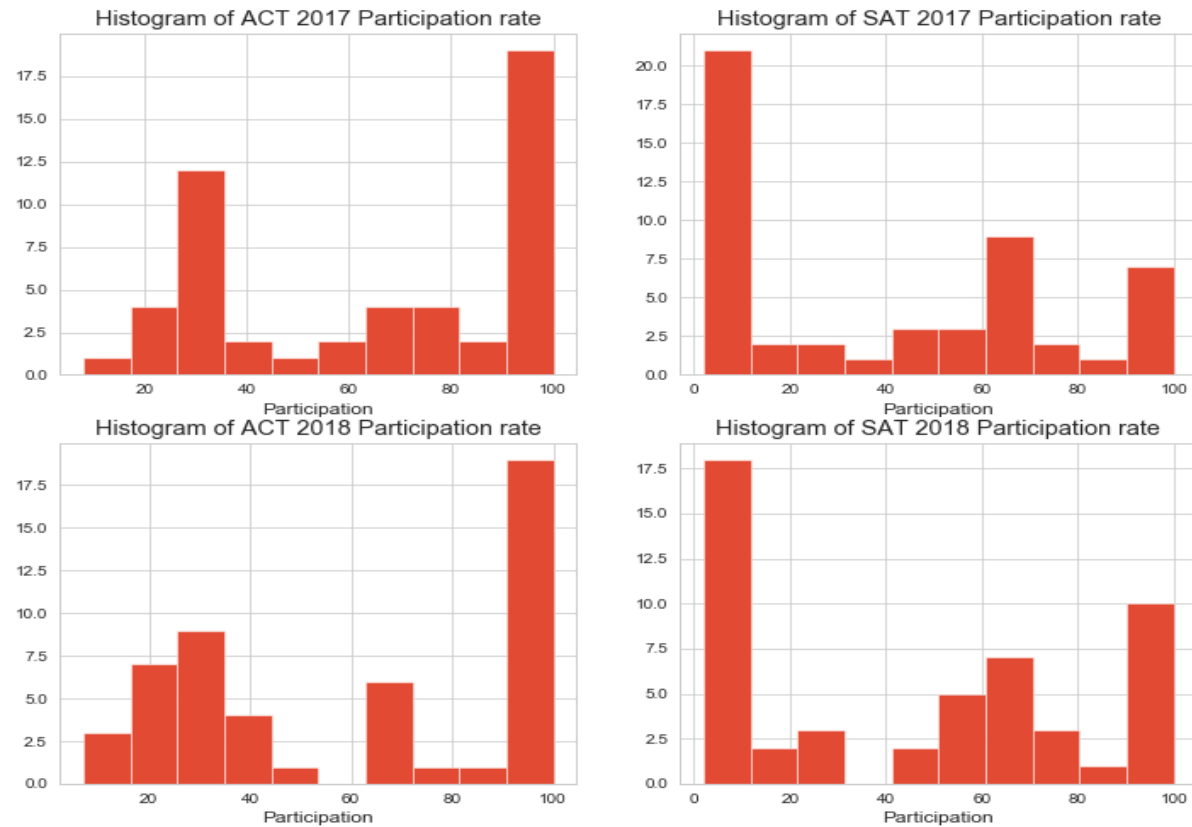
- The new format for the SAT was released in March 2016. This report explores the state performance of SAT and ACT in the year of 2017 and 2018.
- States with the lowest SAT participation rates are looked into

The Change in SAT test

	Old SAT	New SAT (2016)
Scoring	600 - 2400	400 - 1600 Subscore and Cross-test Scores available
Timing	3 Hours 45 Minutes	3 Hours (+50 minute optional essay)
Sections	<ul style="list-style-type: none">• Critical Reading: 200-800• Writing: 200-800• Math: 200-800• Essay (included in Writing score)	<ul style="list-style-type: none">• Evidence-Based Reading and Writing: 200-800• Math: 200-800• Optional Essay (separately scored)
Guessing Penalty	1/4 guessing penalty	no guessing penalty
Format	Available in print	Available in print or on computer

<https://sat.ivyglobal.com/new-vs-old>

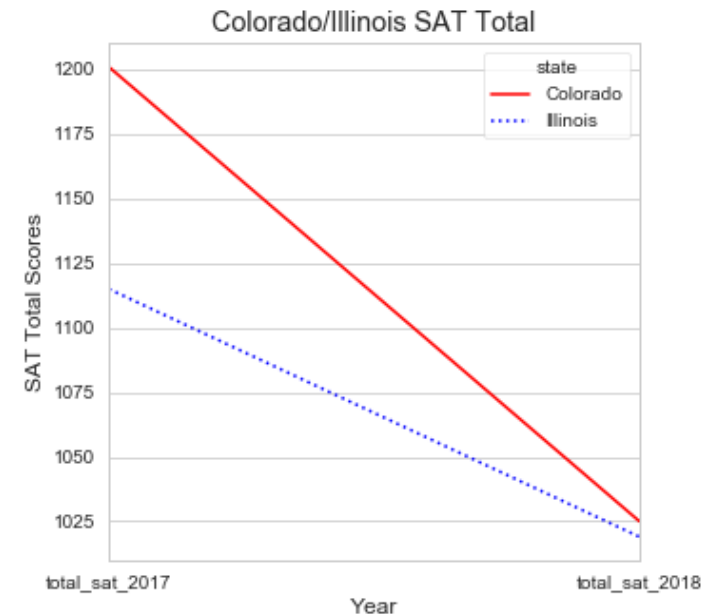
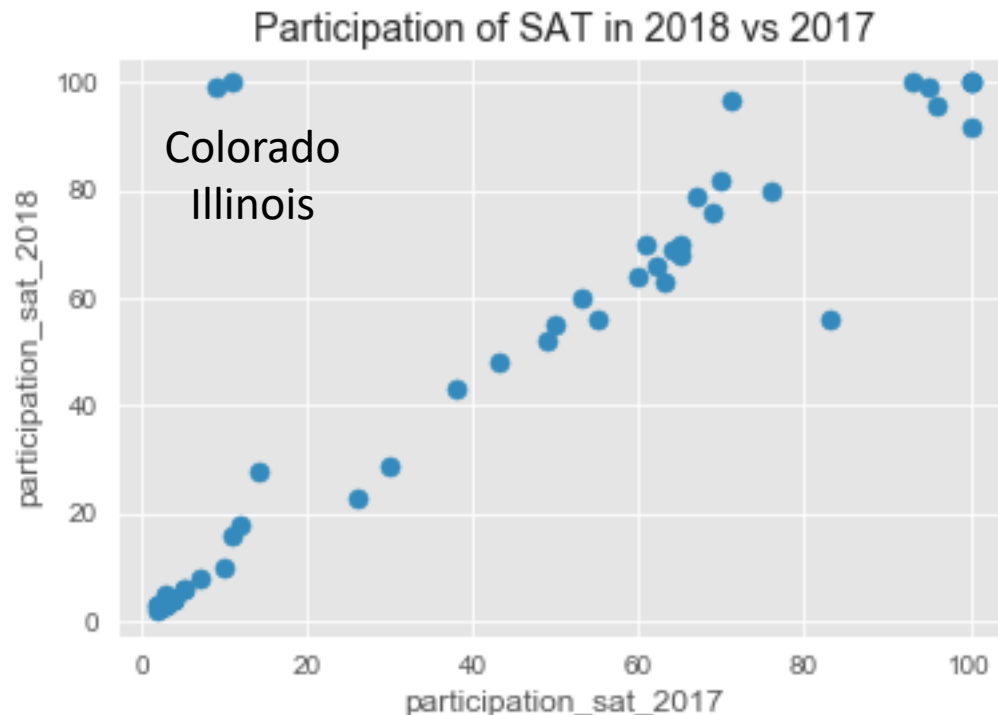
Participation Rate Distribution of SAT and ACT in 2017 and 2018



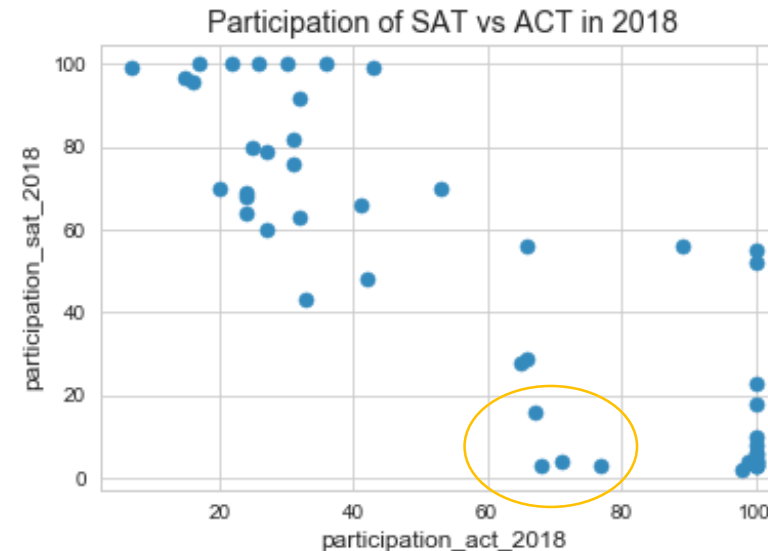
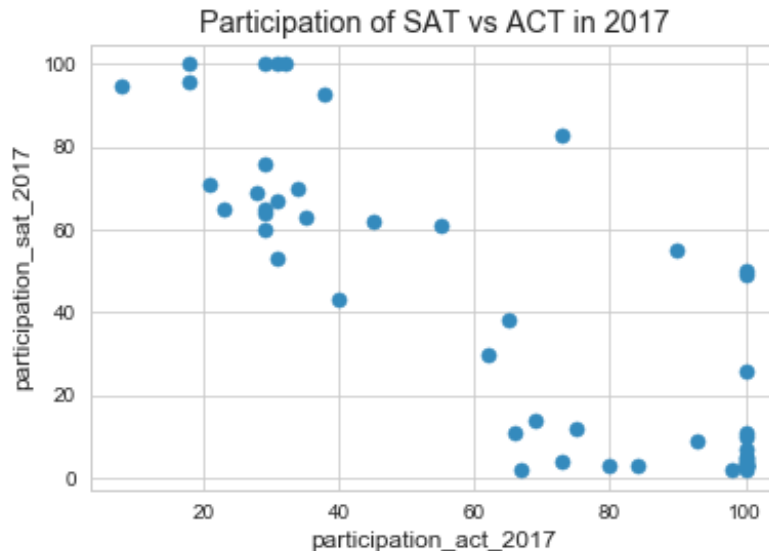
- In general, there are more states participating in ACT test state-wide, than in SAT

SAT Participation Rate Change in some States

- In April, 2017, Colorado and Illinois mandated SAT for all high school juniors as the state's accountability exam



Participation Rate - SAT vs ACT

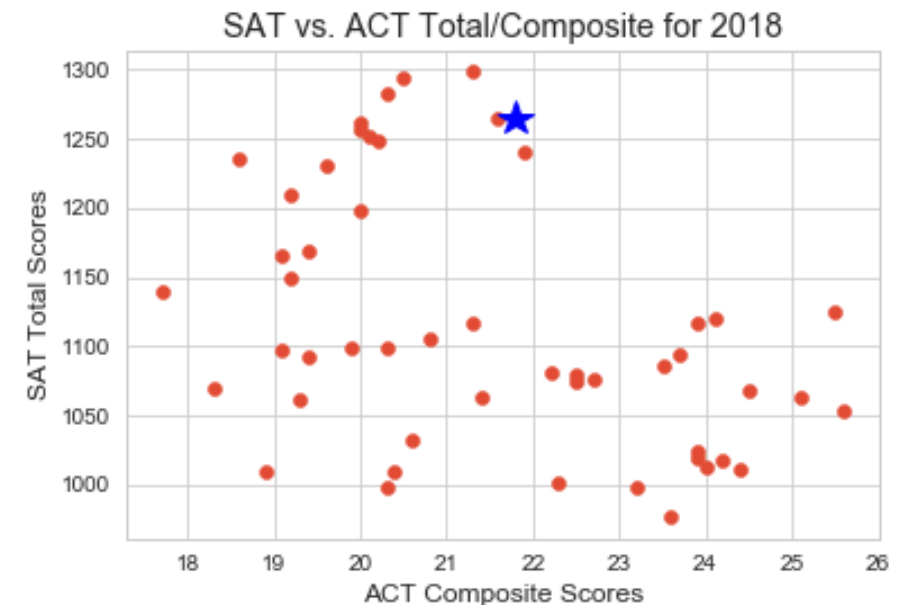


- States that have 100% ACT participation rate, in return have very low participation rate in SAT.
- Although students have the options to choose the tests, once a state mandates a test, naturally the take-up rate of other tests would be low.
 - In order to improve SAT participation rate, we can focus on states that have the lowest SAT participation rate (<20%), but excludes those that requires ACT

- Iowa (3%),
- Kansas (4%),
- New Mexico (16%)
- South Dakota (3%)

Case Study - IOWA

- Iowa uses **Iowa State-wide Assessment of Student Progress (ISASP)** for high school graduates. SAT and ACT are optional.
- Iowa's SAT total score is among the highest in the country, with a very low participation rate of 3% (2018)
 - Those who took SAT are generally the selective ones who know they can excel



Suggestion

- As SAT and ACT are widely accepted by college admission, the number of states that requires SAT/ACT has been climbing steadily, in another words, other tests like PARCC are continuously eroding.
- Lowest SAT participating states like Iowa, Kansas, New Mexico and South Dakota are in the direction to shift to SAT or ACT.
- Partner with individual state department, promote SAT as the test for their high school students.